CIM41/FIM41 — JAVA PROGRAMMING

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   Write any four features of Java.

2.   Define Array.

3.   What is overriding?

4.   State the difference between auto boxing and auto unboxing.

5.   List out the steps for creating and importing packages.

6.   Write the advantages of interface.

7.   Define layout managers

8.   How we handle an event in java?

9.   Write a short note on Swing.

10. Expand : JDBC.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Develop a java program for factorial number using control statements.

Or

(b) Explain the following:
(i) String Comparison and
(ii) String Modification.

12. (a) Implement Java program using constructors with explanation.

Or

(b) Write a java program for abstract class.

13. (a) What is package? Explain different types of packages.

Or

(b) Describe thread priority with examples.

14. (a) Write in detail about utility classes in java.

Or

(b) Develop a java program using JMenuItem and JMenu with explanation.

15. (a) State the differences between swing and AWT.

Or

(b) Elaborate swing GUI components in java with an illustrations.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain briefly about different types of data types in java.

17. Compare and Contrast overloading and overriding methods in Java.

18. Define and develop a java program using try and catch block in exception handling.

19. Explain in detail about Frame and event in AWT with an example.

20. Develop an applet that receives an integer as radius in one text field and computes its area of circle and returns it in another text field, when the button named "compute" is clicked.